Amendments To the Claims:

Please amend the claims as shown.

1.-8. (cancelled)

9. (new) A method for non-destructive testing of a main body, comprising:
determining an area of corrosion on the main body by an eddy-current measurement using at least two different measuring frequencies (f) to ascertain the thickness of the corroded areas.

10. (new) A method in accordance with Claim 9, wherein a low frequency (f) is used first and then a high frequency (f) is used subsequently.

11. (new) A method in accordance with Claim 9, wherein the frequency (f) of a low frequency (f) is changed to a high frequency (f).

12. (new) A method in accordance with Claim 9, wherein the near-surface oxidated carbides is determined as corroded areas of a main body.

13. (new) A method in accordance with Claim 9, wherein the near-surface sulfidized areas of a main body are determined as corroded areas.

14. (new) A method in accordance with Claim 9, wherein the main body is a nickel- or cobalt-based superalloy.

15. (new) A method for the cast manufacture of a gas turbine blade with a main body, comprising:
cleaning the surface of the main body;
activating the surface of the main body for an application of an anti-corrosive coating;
applying the anti-corrosive coating; and
testing the surface for the presence of oxide areas of oxidated carbides using eddy-current measurement after the casting and before the cleaning and activating.

16. (new) A method in accordance with Claim 15, wherein the main body is a nickel- or cobalt-based superalloy.

17. (new) A method in accordance with Claim 15, wherein the protective coating is a MCrAlY type of alloy, wherein M being selected from the (Fe, Co, Ni) group, Cr chrome, Al aluminum and Y from the (Y, La, rare earths) group.

18. (new) A method in accordance with Claim 10, wherein the frequency (f) of a low frequency (f) is changed to a high frequency (f).

19. (new) A method in accordance with Claim 12, wherein the main body is a nickel- or cobalt-based superalloy.

20. (new) A method in accordance with Claim 13, wherein the main body is a nickel- or cobalt-based superalloy.

21. (new) A method for non-destructive testing of a carbide-containing alloy comprising: determining near-surface oxide areas of oxidated carbides by means of eddy-current measurement.

22. (new) A method in accordance with Claim 21, wherein the alloy is a nickel- or cobalt-based superalloy.

23. (new) method in accordance with Claim 21, wherein the carbide-containing alloy is part of a main body.

24. (new) method in accordance with Claim 23, wherein the main body is a gas turbine component.

25. (new) method in accordance with Claim 24, wherein the gas turbine component is a gas turbine blade.

26. (new) A method in accordance with Claim 9, wherein the main body is a gas turbine component.

27. (new) A method in accordance with Claim 26, wherein the gas turbine component is a gas turbine blade.

28. (new) A method in accordance with Claim 9, providing the results of the eddy-current measurement to an evaluation unit.